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| **AUTOMATIC ORBITAL WRAPPING MACHINE FV350/250** |
| **Automatic machine for horizontal packaging with stretchfilm.** |
| **neleo50.jpg** |
| **Applications:**Packaging, grouping and protection with stretchfilm products like furniture, doors, timber boards, windows, frames, etc. |
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| **Working process:** Product arrives automatically until the ring of the wrapping machine through an infeed driven conveyor; the electrical photocell detects the product and the machine wraps it with stretchfilm. Finally, an outfeed driven conveyor belt push out the product fully wrapped. |
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| **Standard equipment:*** Steel frame, painted in grey and base in blue colour
* Ring assembled in the frame, painted in yellow colour.
* Double reel dispenser head; allows to wrap with two

reels of stretchfilm for a reinforced wrapping and faster packaging or to wrap with one reel for a simple wrapping; ready to use reels of different width. * Adjustable stretchfilm tension to fit it to the product.
* Fast changing reels without tools and with self-fixing system.
* Double automatic stretchfilm clamp and cutter system for two reels.
* Automatic stretchfilm threading for reel changing.
* Stopping system to place the reel dispenser head in the exact position for reel changing.
* Adjustable extra wrapping laps in both ends of the product for a higher protection.
* Ring speed controller (driver included) to adjust the stretchfilm overlap onto the product.
* Touch colour screen to program and adjust the machine to the specifications of the product to be wrapped with: Extra wrapping laps in the ends of the product, stretchfilm threading, 6 wrapping programs, warning messages, reels change, only ends wrapping, 6 languages programs, presses on/off, infeed top press up time control, outfeed top press down time control and conveyors stopping time.
* Wrapping programs (6): standard program (wrapping from end to end of the product), bundling program (to wrap product ends only) and four programs else to be issued by the user.
* Backwards conveyors selector and selector product goes through the ring but without wrapping; this option is used in machines which are set up in automatic lines where some products do not need to be wrapped.
* Variable driven conveyors speed to control the wrapping speed or to adjust stretchfilm overlap onto the product.
* Electrical photocell to start the wrapping cycle.
* Device that unable the machine to work while changing the reel for worker safety.
* Ring driver system through trapezoidal belt of low maintenance and wear.
* Control panel and electrical box with: Master switch, power light, warning light, start button, reset button ring speed control, conveyors speed control, emergency stop and touch screen.
* Tower lights to inform status of orbital wrapper.
* Steel packaging around the frame base for transport.
* Machine certificate meeting CE safety standards (2006/42/CE, 2004/42/CE & 93/68/CEE).
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| **Optional Accessories:*** Infeed & outfeed top pressers - manual fitting.
* Infeed & outfeed top pressers - automatic fitting.
* Rollers side guide - manual fitting.
* Driven conveyor belt W55 x L39 in (other dimensions also available).
* Driven conveyor metal rollers W55 x L39 (other dimensions also available).
* Driven conveyor chain W55 x L39 (other dimensions also available).
* Driven conveyor belt with pneumatic lift to place corners W39 x L98.5 in.
* Driven conveyor metal rollers "V" shape W47 x L157.5 in.
* Gravity rollers conveyor + tilters system to place product from vertical to horizontal W47 x L59 in.
* Table with driven rollers (3) in triangle with pneumatic lift to wrap round products.
* Table with driven (2) in parallel to wrap round products.
* Hydraulic lift table to centre conveyor belt/rollers vs. ring.
* Short products bridge < 23.5 in.
* Driven conveyor belts (bridge) for short products W45 x L23.5 in.
* Wooden/porex blocks automatic dispenser (includes driven conveyor for short products W45 x L23.5 in).
* Warning of reel end.
* Safety fences + safety kit.
* Remote technical assistance (via Ethernet).
* No standard machine colour.
* Seafreight wooden crate.
* Seafreight wooden box.
* Manual bubblewrap top dispenser (integrated on machine) for reel up to 63 in.
* Manual bubblewrap floor dispenser for reel up to 63 in.
* Automatic top & bottom bubblewrap reel dispenser up to W63 in

Includes:* + Welding bar by electrical resistances to join the ends of the top and bottom bubblewrap reels.
	+ Welding temperature control to adjust the temperature depending on the bubblewrap thickness.
	+ Top and bottom bubblewrap reel dispenser; top reel to cover top side product length and bottom reel to cover bottom side product length.
	+ Electrical photocell to start automatically the wrapping cycle.
	+ Driven feeding of top and bottom bubblewrap reels, to avoid product pulls directly from them.
	+ Selector to cancel the automatic dispenser and to allow machine wrapping with stretchfilm only.
	+ Tower lights to inform status of dispenser.
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|  | \* Mod. with conveyor belts (optional)automatic top presses (optional)and automatic bubble wrap dispenser (optional). |
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| **Technical specifications:** |
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| Product to wrap sizes: |
| * Maximum / minimum length
 | : Unlimited / 23.5 in (15.7 in with bridge). |
| * Other sizes
 | : Check with graphic. |
| * Minimum sizes
 | : 23.5 x 23.5 x 23.5 in.(L) |
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| Recommended conveyor belt specifications: |
| * Useful width
 | : 55 in. |
| * Length
 | : 39 in. |
| * Working height
 | : Adjustable. |
| * Engine
 | : 0.496 hp.\* |
| * Lineal speed
 | : From 10 fpm. up to 33 fpm. |
| * Max. weight to convey
 | : 165 lb / lineal meter. |
| (\*) Speed inverter for inner driven conveyor 1 hp. and exit driven conveyor 1 hp. |
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| Electrical equipment: |  |  |
| * Engine
 | : 4 hp. |
| * Power supply
 | : 400V III+N. |
| * Manoeuvre
 | : 24V c.c. |
| * Power consumption
 | : 2.27 hp |
| * Ring rotation speed
 | : From 5 to 45 rpm. |
| * Speed inverters
 | : Fuji. |
| * Programmable PLC
 | : Omron. |
| * Pneumatic pressure
 | : 6 bars. |
| * Compressed air consumption
 | : 45 liters/cycle. |
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| Stretchfilm reel specifications: |
| * Width
 | : 10, 6.5 or 4 in. |
| * Thickness
 | : 90,120,140 or 200 gauge. |
| * External / internal Ø
 | : 9 / 1.5 in. |
| * Colours
 | : Transparent / opaque. |
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| Installed machine sizes | : Check attached drawing. |
| Packed machine sizes | : 12.5 x 5 x 11 ft. – 2866 lb. |
| Packed film reels sizes | : 3.3 x 3.9 x 6 ft. – 1726 lb. |
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| **Technical specifications with automatic bubble wrap / polyethylene dispenser (optional)** |
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| Electrical equipment: |
| * Engine
 | : 5.42 hp. |
| * Power consumption
 | : 2.61 hp. |
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| Welding bar: |
| * Width
 | : 83 in. |
| * Electrical resistances
 | : 10 units. |
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| Bubble wrap / Polyethylene reel specifications: |
| * Type
 | : Triple layer reel |  |
| * Width
 | : 71 in. | / 71 in. |
| * Length
 | : 492 ft. | / 1312 ft. |
| * Ø external
 | : 31.5 in. | / 12 in. |
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| Installed machine sizes | : Check attached drawing. |
| Packed machine sizes | : 12.5 x 5 x 11 ft. – 2866 lb. / 7.5 x 6.25 x 8 – 1984 lb. |
| Packed film reels sizes | : 3.3 x 3.9 x 6 ft. – 1726 lb. |